

Open Educational Resources (OER) in Adult Education

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For Handouts and resources go to:
[Http://pennyspresentations.wikispaces.com](http://pennyspresentations.wikispaces.com)
OR:
<http://goo.gl/QM3jUw>



Open Education Resources: A Paradigm Shift for Adult Education

The printing press was a world-altering invention, so is the Internet. Could the next information revolution come from something so simple as the act of sharing? Come learn about Open Educational Resources (OER) and how you can find and implement free, open, re-useable, re-mixable, re-sharable materials for your classroom!

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<http://www.otan.us>

Today's Goals:

Define OER

Recite the 5 R's of openness

Licensing through Creative Commons

Benefits of OER

Searching for OER



Open Educational Resources

Open educational resources (OER) are teaching, learning, and research **resources that reside in the public domain or have been released under an intellectual property license that permits sharing, accessing, repurposing—including for commercial purposes—and collaborating with others.** These resources are an important element of an infrastructure for learning. Originating in higher education, OER forms range from podcasts to digital libraries to textbooks, games, and courses, and they are freely available to anyone over the Web. [National Education Technology Plan:

<http://www.ed.gov/sites/default/files/netp2010.pdf> (pg. 56)]

Could the next cultural information revolution come from something as simple as the act of sharing?

The Internet changes our culture in many positive ways; including the ability to easily share rich, robust materials at little to no cost to the entire world. From this realization came the idea of Open Educational Resources. Although there are many definitions this the one from the National Education Technology Plan:
<http://www.ed.gov/sites/default/files/netp2010.pdf>

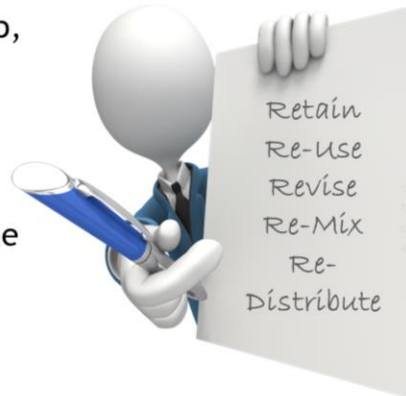
Open educational resources (OER) are teaching, learning, and research resources that reside in the public domain or have been released under an intellectual property license that permits sharing, accessing, repurposing—including for commercial purposes—and collaborating with others. These resources are an important element of an infrastructure for learning. Originating in higher education, OER forms range from podcasts to digital libraries to textbooks, games, and courses, and they are freely available to anyone over the Web. (pg. 56)

So the key phrase in this definition is: **...resources that reside in the public domain or have bene released under an intellectual property license that permits sharing, accessing, repurposing – including for commercial purposes—and collaborating with others...**

What does that statement mean to you?

The 5 Rs of Openness

- - **Retain** - the right to make, own, and control copies of the content
- - **Reuse** - the right to use the content in a wide range of ways (e.g., in a class, in a study group, on a website, in a video)
- - **Revise** - the right to adapt, adjust, modify, or alter the content itself (e.g., translate the content into another language)



Source: This material is based on original writing by David Wiley, which was published freely under a Creative Commons Attribution license at:
<http://opencontent.org/blog/archives/3221>

So what does this mean for you as a teacher or you as a creator?

The 5 Rs of Openness- 2

- - **Remix** - the right to combine the original or revised content with other open content to create something new (e.g., incorporate the content into a mashup)
- - **Redistribute** - the right to share copies of the original content, your revisions, or your remixes with others (e.g., give a copy of the content to a friend)



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So what does this mean for you as a teacher or you as a creator?

Teachers are Amazing Creators*

- By necessity, many teachers create vast amounts of materials, lessons, activities and other resources to help students succeed. And many of them are very willing to share!

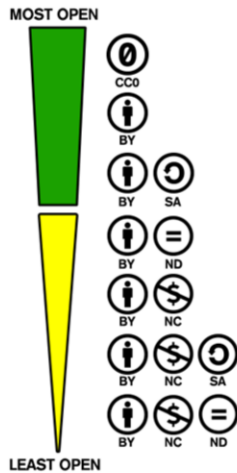
**HOW DO WE
SHARE MATERIAL
THAT HONORS
THE WORK OF
OTHERS?**



<http://lincs.ed.gov/programs/oerstem>

<http://whyopenedmatters.org/>

It's all in the Licensing!



Creative Commons - A way to license copyright work for specific use by others. From most open to least open, each license spells out how the works can be used.

CC licenses give both creator AND user the freedom to license work for others to use.

Keep to the **Green Zone**

Second presentation on the different licenses:

<https://docs.google.com/presentation/d/12EshM-EW5j-5sgj640Qoyljl6S2SGWbSWo3xFuALaTk/edit#slide=id.p18>

Public Domain



More on Public Domain

http://en.wikipedia.org/wiki/Public_domain

Information on “Free Cultural Works” (another way to license works as free)

<https://creativecommons.org/freeworks>

CC BY



CC Attribution (CC BY)

This license lets others distribute, remix, tweak, and build upon your work, even commercially, as long as they credit you for the original creation. This is the most accommodating of licenses offered. Recommended for maximum dissemination and use of licensed materials.



CC BY-SA



CC Attribution-ShareAlike (CC BY-SA)

This license lets others remix, tweak, and build upon your work even for commercial purposes, as long as they credit you and license their new creations under the identical terms. All new works based on yours will carry the same license, so any derivatives will also allow commercial use.



CC BY-ND



CC Attribution-NoDerivs (CC BY-ND)

This license allows for redistribution, commercial and non-commercial, as long as it is passed along unchanged and in whole, with credit to you.

Note the yellow - caution here when re-licensing and re-mixing.

CC BY-NC



CC Attribution-NonCommercial (CC BY-NC)

This license lets others remix, tweak, and build upon your work non-commercially, and although their new works must also acknowledge you and be non-commercial, they don't have to license their derivative works on the same terms.

We're still in the yellow – remember, you can still use, remix, tweak the materials, you just can't sell them!

CC BY-NC-SA



CC Attribution-NonCommercial-ShareAlike (CC BY-NC-SA)

This license lets others remix, tweak, and build upon your work non-commercially, as long as they credit you and license their new creations under identical terms.

Just be completely aware of what you can do with a resource license this way. You can still remix, tweak and build on this, but not for commercial use AND any new creations MUST BE LICENSED THE SAME WAY.

CC BY-NC-ND



CC Attribution-NonCommercial-NoDerivs (CC BY-NC-ND)

This license is the most restrictive of our six licenses, only allowing others to download your works and share them with others as long as they credit you, but they can't change them in any way or use them commercially.

CC License Re-Mix Rubric

	 PUBLIC DOMAIN	 PUBLIC DOMAIN	 CC BY	 CC BY-SA	 CC BY-NC	 CC BY-ND	 CC BY-NC-SA	 CC BY-ND-SA
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 PUBLIC DOMAIN	✓	✓	✓	✓	✓	✗	✓	✗
 CC BY	✓	✓	✓	✓	✓	✗	✓	✗
 CC BY-SA	✓	✓	✓	✓	✗	✗	✗	✗
 CC BY-NC	✓	✓	✓	✗	✓	✗	✓	✗
 CC BY-ND	✗	✗	✗	✗	✗	✗	✗	✗
 CC BY-NC-SA	✓	✓	✓	✗	✓	✗	✓	✗
 CC BY-ND-SA	✗	✗	✗	✗	✗	✗	✗	✗

Source: Image from Creative Commons' wiki

http://wiki.creativecommons.org/Frequently_Asked_Questions

(Scroll or select "Can I combine material under different Creative Commons licenses in my work?")

http://wiki.creativecommons.org/File:CC_License_Compatibility_Chart.png

List of Conformant licenses (many countries issue "licenses" for intellectual works)

<http://opendefinition.org/licenses/>

More than one licensing option

- Creative Commons
- GNU Free Documentation License
- Open Source (software) such as BSD, MIT

Make it a habit to review the licensing for anything you want to use and especially *change*.

Resource page for other open licenses:

<http://www.smashingmagazine.com/2010/03/24/a-short-guide-to-open-source-and-similar-licenses/>

Human OER Remix Game

- Your cards have a license on them
- Find one other person with a compatible license.
- After you find someone, check your rubric (on the back)
- Then see if you can include 2 more licensed resources
- All licenses should be compatible.



How did that go?

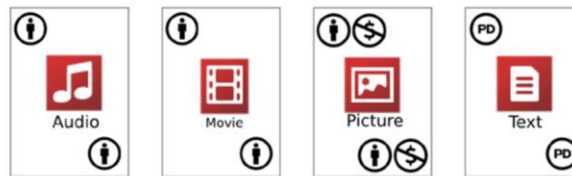
Questions?

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How many of you didn't find a compatible license? Notice what color it is (yellow) and that those are the most restrictive licenses in the Creative Commons licensing package.

So what does this mean to you as a teacher? As a creator of teaching materials?

Try a few “hands” at remixing...



Try your luck with this hand

1. Can these resources be aggregated and legally released as a derivative work?

- ☐ Yes
- ☐ No

2. Which of the following licenses could be used for the derivative work:

- ☐ All rights reserved Copyright
- ☐ CC-BY
- ☐ Released under a public domain declaration
- ☐ BY-NC
- ☐ BY-NC-ND
- ☐ BY-NC-SA
- ☐ BY-SA

This is a remix inspired by the online version of David Wiley's OER remix game [🔗](#)

Use the link below to try the game:

[http://wikieducator.org/Creative Commons unplugged/License compatibility: Example 1](http://wikieducator.org/Creative_Commons_unplugged/License_compatibility:_Example_1)

This is a great way to learn how to “remix” different licenses. But beware: It’s hard! Don’t get discouraged if you lose a few hands! 😊 Just keep plugging away at it!

Benefits for the Creator*

Create work with the intent of sharing (even by selling!)

License them appropriately

Mark them with CC license so others know how they can use/reuse/remix them

Share with others through the Internet or as a physical copy

***Remember: Your students are creators too!**

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- I create my own original work with the intent of sharing it with others.
 - I ensure all my materials are my original work OR they are licensed so I can share them (revise & remix)
- I clearly license my work with a Creative Commons license indicating exactly how others can use my work.
- I can then share it with others by handing them a copy, sharing it on a web site or OER repository.

Some sites where teachers share their materials:

Teachers Pay Teachers <https://www.teacherspayteachers.com/>

Deanna Jump became a millionaire kindergarten teacher by selling her lesson plans on Teachers Pay Teachers (story from 2012)

<http://www.inc.com/john-mcdermott/teacher-makes-1-million-selling-lesson-plans-online.html>

Be sure to read their copyright policy! <https://www.teacherspayteachers.com/Copyright-Policy>

And their Terms of Service: <https://www.teacherspayteachers.com/Terms-of-Service>

Edudemic.com published an article on other sites too: <http://www.edudemic.com/online-lesson-plans/>

Learn Zillion <http://learnzillion.com/>

ThirteenEd Online <http://www.thirteen.org/edonline/lessons/>

Better Lesson <http://betterlesson.com/>

Share My Lesson <http://www.sharemylesson.com/>

Benefits to you as a Teacher

Find a CC licensed work

Re-use it

Modify it and/or remix with your own work or another licensed work

Share it with others

What does this mean for YOU?

You can find my work, use it, revise it, remix it, and re-share it. (If I licensed it that way!)

Sounds too good to be true...



- Issue of Quality
- Consider [Review Rubrics](#)
- I don't want to create, where do I FIND them?
- Do they align to standards? (usually)
- What can be OER?
- Pretty much anything digital.

Find Achieve OER Review Rubrics at: <http://achieve.org/oer-rubrics>

Washington State OER Resources page:

<http://digitallearning.k12.wa.us/oer/rubrics.php>

Examples of OER:

Found online (so digital) lesson plans, worksheets, handouts, interactive games, simulations, virtual labs, courses, audio files, video lectures; video clips,

How Do I Find Them?

- **Google Search**
 - Use the “advanced” feature to find CC licensed works
- **Creative Commons**
 - Use to license your work
 - Find CC licensed works
- **YouTube**
 - Now have CC licensed videos!
- **OER Repositories**
 - There are many!
- **OTAN!**
 - We have CC licensed online courses!



Good resource to start learning about OER (beyond Creative Commons) <http://www.edutopia.org/open-educational-resources-guide>

Additional Resources on the Web (you can do a Google search for them!) Links are on the resource slide at the end.

Open Repositories, Collections, and Tools

CK-12.org free online textbooks (STEM oriented)

OpenEd (<http://www.opened.io>)

Curriki

OER Commons

EDSITEment

FREE: Federal Registry for Educational Excellence

Gooru

myOER.org

OpenEd

PBS LearningMedia

ShareMyLesson

TED-Ed

The Gateway to 21st Century Skills

WatchKnowLearn

Open Books and Textbooks

CK-12 Foundation

Project Gutenberg

Open Courses and Learning Modules

Big History Project

HippoCampus.org from National Repository of Online Courses

Khan Academy

MIT Open CourseWare: Highlights for High School

Saylor.org

Become an OER Super Hero!

- Learn about Creative Commons
 - Teach someone else
- License your work with CC
 - Choose your license
- Consider sharing your work
 - OER Commons



OER Roundup by Edutopia: <http://www.edutopia.org/open-educational-resources-guide>

Be sure to watch the YouTube playlist on OER – searching, resources, share my lesson... and more.

<https://www.youtube.com/watch?v=Dggn5pDUivA&list=PLvzOwE5IWqhQ62m4W2B-cNANQWwl80684>

Resource Slide

- OER: The Basics (<http://t.co/BtTOcQwFYR>) by University of Texas
- Twitter hashtags: #oer, #openeducationwk
- [Curriki](#)
- [EDSITEment](#)
- [Free Federal Registry for Education Excellence](#)
- [myOER.org](#)
- [OpenEd](#)
- [ShareMyLesson](#)

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Curriki: <http://www.curriki.org>

EDSITEment: <http://edsitement.neh.gov/>

Free Federal Registry for Education Excellence: <http://free.ed.gov/>

myOER.org: <http://www.myoer.org/>

OpenEd: <https://www.opened.io/>

Open Courses and Learning Modules

- [Big History Project](#)
- [HippoCampus.org](#) from NROC
- [EdReady.org](#) from NROC
- [Khan Academy](#)
- [MIT Open CourseWare](#): Highlights for High School
- [Saylor.org](#)

Big History Project: <https://course.bighistoryproject.com/bhplive>

HippoCampus.org: <http://www.hippocampus.org/>

Khan Academy: <https://www.khanacademy.org/>

MIT Open CourseWare (for high school) <http://ocw.mit.edu/high-school/>

Saylor.org: <http://www.saylor.org/> (some K12 in Beta)

Questions?
More Information?

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It is important to practice what you preach! 😊